BRUHATH BANGALORE MAHANAGARA PALIKE

RAJARAJESHWARI NAGARA ZONE

Name of Work:-Providing Repairs Maintenance infrastructures Upgradetion Construction to BBMP School College Building In Ward No. 17.

Agency:-Technical Manager,KRIDL

MEASUREMENT SHEET Bill N0:-First &Part Bill

Pre Measurements Taken On:-

S.NO	Description of Item's	Unit	No	Measurements L	B	D	Qty	Remarks
1	KSRB 2-1.1 : Earth work in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.50m. excavated surface levelled and neatly dressed , disposed earth to be levelled after breaking of clods and neatly dressed as per specifications.							
	Building Surroundings:-Backside	Cum	1	30.00	1.35	0.20	8.10	
			1	15.00	1.35	0.20	4.05	
			1	3.30	1.35+2.55	0.20	1.29	
					2			
	In side of school Ground		1	30.00	11.80	0.10	35.40	
	Surrounding,s		1	40.00	1.20	0.20	9.60	
			1	40.00	1.20	0.20	9.60	
			1	11.80	1.20	0.20	2.83	
	Passage;-R/Side		1	8.25	3.00	0.10	2.48	
	L/Side		1	8.20	3.00	0.10	2.46	
							75.80	
	(-)Deductions:-							
	Steps Portion		1	5.00	0.90	0.20	0.90	
	stage		1	6.45	1.20	0.20	1.55	
							2.45	
						Total	73.36	
				Limited to Schedule 'B' Quantity			69.60	

Contractor

Assistant Executive Engineer,
R.R. Nagar, Sub-Division,
KRIDL, BBMP, Bangalore

20/3/20

Assistant Engineer
Ward No-17

20/3/20

Assistant Executive Engineer
Yeshwanthpura Sub Division
ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಯಶವಂತಪುರ ಉಪ ವಿಭಾಗ
ಬೃಪಸ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

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BRUHATH BANGALORE MAHANAGARA PALIKE

(8)

RAJARAJESHWARI NAGARA ZONE

Name of Work:-Providing Repairs Maintenance infrastructures Upgradetion Construction to BBMP School College Building In Ward No. 17.

Agency:-Technical Manager,KRIDL

MEASUREMENT SHEET Bill N0:-First &Part Bill

Pre Measurements Taken On:-

S.NO	Description of Item's	Unit	No	Measurements L	B	D	Qty	Remarks
2	*KSRB 2-2.2 : Earth work excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches, 1.5m and above in width, in hard soil, exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with all lead upto 50m after breaking of clods complete as per specifications.*							
	For Tree guards:-Alround Wall,L/sides:-	Cum	1	3.90	0.60	0.56	1.31	
			1	3.60	0.60	0.56	1.21	
			1	3.90	0.60	0.56	1.31	
			1	4.40	0.60	0.56	1.48	
			1	5.00	0.60	0.56	1.68	
			1	3.30	0.60	0.56	1.11	
			1	4.05	0.60	0.56	1.36	
	R/sides		1	3.65	0.60	0.56	1.23	
			1	6.30	0.60	0.56	2.12	
			1	3.75	0.60	0.56	1.26	
			1	5.95	0.60	0.56	2.00	
			1	1.90	1.00	0.56	1.06	
			1	5.05	0.60	0.56	1.70	
			1	6.90	0.60	0.56	2.32	
			1	4.05	0.60	0.56	1.36	
	Stage Attatched (Flagging Pole Fixing) Wall		1	6.45	0.60	0.45	1.74	
	Cinier Citizens welfare Association Front		2	5.70	0.60	0.45	3.08	
			2	2.90	0.60	0.45	1.57	
	Steps		2	1.80	0.45	0.20	0.32	
						Total	**29.21**	
				Limited to Schedule 'B' Quantity			**28.83**	

Contractor

Assistant Executive Engineer,
R.R. Nagar, Sub-Division,
KRIDL, BBMP, Bangalore

20/3/20

Assistant Engineer
Ward No-17

20/3/20

Assistant Executive Engineer
Yeshwanthpura Sub Division
ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
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BRUHATH BANGALORE MAHANAGARA PALIKE

RAJARAJESHWARI NAGARA ZONE

(9)

Name of Work:-Providing Repairs Maintenance infrastructures Upgradetion Construction to BBMP School College Building In Ward No. 17.

Agency:-Technical Manager,KRIDL

MEASUREMENT SHEET Bill NO:-First &Part Bill

Pre Measurements Taken On:-

S.NO	Description of Item's	Unit	No	Measurements L	B	D	Qty	Remarks
3	KSRRB M200-24. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications.							
	Top of the Roof	Cum	1	17.20	7.80	0.10	13.42	
	Additional		1	9.50	5.40	0.10	5.13	
	Passage:-R/Side		1	8.25	3.00	0.23	5.69	
	L/Side		1	8.20	3.00	0.23	5.66	
						Total	29.90	
				Limited to Schedule 'B' Quantity			29.64	

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Contractor

Assistant Executive Engineer,
R.R. Nagar, Sub-Division,
KRIDL, BBMP, Bangalore

20/3/20

Assistant Engineer
Ward No-17

20/3/2020

Assistant Executive Engineer
Yeshwanthpura Sub Division

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಯಶವಂತಪುರ ಉಪ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

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BRUHATH BANGALORE MAHANAGARA PALIKE

RAJARAJESHWARI NAGARA ZONE

(10)

Name of Work:-Providing Repairs Maintenance infrastructures Upgradetion Construction to BBMP School College Building In Ward No. 17.

Agency:-Technical Manager,KRIDL

MEASUREMENT SHEET Bill N0:-First &Part Bill

Measurements Taken On:-

S.NO	Description of Item's	Unit	No	Measurements L	B	D	Qty	Remarks
4	Lead for disposal of earth shall be payable at Carriage rates (Lead & Lift) by mechanical means including loading and unloading up to 15kms.							
		Cum	Considered same Qty vide I.No.1				73.36	
			Considered same Qty vide I.No.2				29.21	
			Considered same Qty vide I.No.3				29.90	
						Total	132.46	
			Approved Schedule 'B' Quantity				128.06	

Contractor

Assistant Executive Engineer,
R.R. Nagar, Sub-Division,
KRIDL, BBMP, Bangalore

Assistant Engineer
Ward No- 17

Assistant Executive Engineer
ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
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BRUHATH BANGALORE MAHANAGARA PALIKE

RAJARAJESHWARI NAGARA ZONE

Name of Work:-Providing Repairs Maintenance infrastructures Upgradetion Construction to BBMP School College Building In Ward No. 17.

Agency:-Technical Manager,KRIDL

MEASUREMENT SHEET Bill N0:-First &Part Bill

Pre Measurements Taken On:-

S.NO	Description of Item's	Unit	No	Measurements L	B	D	Qty	Remarks
5	KSRB 4-1.2 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregates @ 0.465 cum machine mixed, concrete laid in layers not exceeding 15cms thick well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.							
	For Tree guards:-Alround Wall,L/sides:-	Cum	1	3.90	0.60	0.15	0.35	
			1	3.60	0.60	0.15	0.32	
			1	3.90	0.60	0.15	0.35	
			1	4.40	0.60	0.15	0.40	
			1	5.00	0.60	0.15	0.45	
			1	3.30	0.60	0.15	0.30	
	R/sides		1	4.05	0.60	0.15	0.36	
			1	3.65	0.60	0.15	0.33	
			1	6.30	0.60	0.15	0.57	
			1	3.75	0.60	0.15	0.34	
			1	5.95	0.60	0.15	0.54	
			1	1.90	1.00	0.15	0.29	
			1	5.05	0.60	0.15	0.45	
			1	6.90	0.60	0.15	0.62	
	For Tree guards:-Alround Supporting Concrete,L/sides:-		1	4.05	0.60	0.15	0.36	
			1	5.10	0.60	0.15	0.46	
			1	4.80	0.60	0.15	0.43	
			1	5.10	0.60	0.15	0.46	
			1	5.60	0.60	0.15	0.50	
			1	6.20	0.60	0.15	0.56	
			1	4.50	0.60	0.15	0.41	
			1	5.25	0.60	0.15	0.47	
	R/sides		1	4.85	0.60	0.15	0.44	
			1	7.50	0.60	0.15	0.68	
			1	4.95	0.60	0.15	0.45	
			1	7.15	0.60	0.15	0.64	
			1	8.20	0.60	0.15	0.74	
			1	6.25	0.60	0.15	0.56	
			1	8.10	0.60	0.15	0.73	
			1	5.25	0.60	0.15	0.47	
	Stage Attatched (Flagging Pole Fixing) Wall		1	6.45	0.60	0.15	0.58	
	Cinier Citizens welfare Association Front		2	5.70	0.60	0.15	1.03	
			2	2.00	0.60	0.15	0.36	
	Steps		2	1.80	0.45	0.15	0.24	
	Flooring		1	4.65	1.85	0.20	1.72	
	Surrounding,s		1	40.00	1.20	0.15	7.20	
			1	40.00	1.20	0.15	7.20	
			1	11.80	1.20	0.15	2.12	
	Passage;-R/Side		1	8.25	3.00	0.15	3.71	
	L/Side		1	8.20	3.00	0.15	3.69	
	Backfilling concrete For Drain		1	25.90	0.35	0.15	1.36	
			1	17.60	0.35	0.15	0.92	
							44.16	
	(-)Deductions for Tree guards:-Alround Wall,L/sides:-		0.50	3.90	0.60	0.15	0.18	
			0.50	3.60	0.60	0.15	0.16	
			0.50	3.90	0.60	0.15	0.18	
			0.50	4.40	0.60	0.15	0.20	
			0.50	5.00	0.60	0.15	0.23	
			0.50	3.30	0.60	0.15	0.15	
			0.50	4.05	0.60	0.15	0.18	
	R/sides		0.50	3.65	0.60	0.15	0.16	
			0.50	6.30	0.60	0.15	0.28	
			0.50	3.75	0.60	0.15	0.17	
			0.50	5.95	0.60	0.15	0.27	
			0.50	1.90	1.00	0.15	0.14	
			0.50	5.05	0.60	0.15	0.23	
			0.50	6.90	0.60	0.15	0.31	
			0.50	4.05	0.60	0.15	0.18	

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	For Tree guards:-Alround Supporting Concrete L/sides :-							
			0.50	5.10	0.60	0.15	0.23	
			0.50	4.80	0.60	0.15	0.22	
			0.50	5.10	0.60	0.15	0.23	
			0.50	5.60	0.60	0.15	0.25	
			0.50	6.20	0.60	0.15	0.28	
			0.50	4.50	0.60	0.15	0.20	
	R/sides		0.50	5.25	0.60	0.15	0.24	
			0.50	4.85	0.60	0.15	0.22	
			0.50	7.50	0.60	0.15	0.34	
			0.50	4.95	0.60	0.15	0.22	
			0.50	7.15	0.60	0.15	0.32	
			0.50	8.20	0.60	0.15	0.37	
			0.50	6.25	0.60	0.15	0.28	
			0.50	8.10	0.60	0.15	0.36	
	Stage		0.50	5.25	0.60	0.15	0.24	
			1	6.45	1.20	0.15	1.16	
							8.17	
						Total	35.99	

12

Contractor

Assistant Executive Engineer,
R.R. Nagar, Sub-Division,
KRIDL, BBMP, Bangalore

Assistant Engineer
Ward No-17

Assistant Executive Engineer
Yeshwanthpura Sub Division
ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಧಿಕಾರಿಗಳು
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BRUHAT BANGALORE MAHANAGARA PALIKE

RAJARAJESHWARI NAGARA ZONE

Name of Work:- Providing Repairs Maintenance infrastructures Upgradetion Construction to BBMP School College Building In Ward No. 17.

Agency:- Technical Manager,KRIDL

MEASUREMENT SHEET Bill NO:-First &Part Bill

Pre Measurements Taken On:-

S.NO	Description of Item's	Unit	No	Measurements L	B	D	Qty	Remarks
6	KSRB 5.2-2 : Providing and constructing granite/ trap/basalt size stone masonry in foundation in CM 1.6 stone hammed dressed in courses not less than 20cms high, bond stones at two m. apart in each course including cost of materials labour, curing etc., complete as per specifications.							
	For Tree guards:-Alround Wall,L/sides.-	Cum	1	3.90	0.60	0.45	1.05	
			1	3.60	0.60	0.45	0.97	
			1	3.90	0.60	0.45	1.05	
			1	4.40	0.60	0.45	1.19	
			1	5.00	0.60	0.45	1.35	
			1	3.30	0.60	0.45	0.89	
			1	4.05	0.60	0.45	1.09	
	R/sides		1	3.65	0.60	0.45	0.99	
			1	6.30	0.60	0.45	1.70	
			1	3.75	0.60	0.45	1.01	
			1	5.95	0.60	0.45	1.61	
			1	1.90	1.00	0.45	0.86	
			1	5.05	0.60	0.45	1.36	
			1	6.90	0.60	0.45	1.86	
			1	4.05	0.60	0.45	1.09	
	Stage Attatched (Flagging Pole Fixing) Wall		1	6.45	0.60	0.45	1.74	
	Cinier Citizens welfare Association Front		1	5.55	2.75	0.45	6.87	
	Steps		2	1.80	0.45	0.20	0.32	
							27.01	
	Deductions(-)		1	4.65	1.85	0.45	3.87	
						Total	23.14	

Contractor

Assistant Engineer
Ward No-17
18/5/20

Assistant Executive Engineer,
R.R. Nagar, Sub-Division,
KRIDL, BBMP, Bangalore

Assistant Executive Engineer
Yeshwanthpura Sub Division
18/5/20

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BRUHATH BANGALORE MAHANAGARA PALIKE

(14)

RAJARAJESHWARI NAGARA ZONE

Name of Work:-Providing Repairs Maintenance infrastructures Upgradetion Construction to BBMP School College Building In Ward No. 17.

Agency:-Technical Manager,KRIDL

MEASUREMENT SHEET Bill N0:-First &Part Bill

Measurements Taken On:-

S.NO	Description of Item's	Unit	No	Measurements L	B	D	Qty	Remarks
7	KSRB 5.3-3 : Providing and constructing granite/trap/basalt/size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15cms high, bond stones at two m. apart in each course including cost of materials, labhour, curing complete as per specifications.							
	For Tree guards:-Alround Wall,L/sides:-	Cum	1	3.90	0.60	0.60	1.40	
			1	3.60	0.60	0.60	1.30	
			1	3.90	0.60	0.60	1.40	
			1	4.40	0.60	0.60	1.58	
			1	5.00	0.60	0.60	1.80	
			1	3.30	0.60	0.60	1.19	
			1	4.05	0.60	0.60	1.46	
	R/sides		1	3.65	0.60	0.60	1.31	
			1	6.30	0.60	0.60	2.27	
			1	3.75	0.60	0.60	1.35	
			1	5.95	0.60	0.60	2.14	
			1	1.90	1.00	0.60	1.14	
			1	5.05	0.60	0.60	1.82	
			1	6.90	0.60	0.60	2.48	
			1	4.05	0.60	0.60	1.46	
	Stage Attatched (Flagging Pole Fixing) Wall		1	6.45	0.60	0.75	2.90	
	Cinier Citizens welfare Association Front		1	5.55	2.75	0.50	7.63	
	Steps		2	1.80	0.45	0.20	0.32	
			2	1.80	0.25	0.20	0.18	
	Additional wall		1	2.00	0.30	0.20	0.12	
							35.27	
	Deductions(-)		1	4.65	1.85	0.50	4.30	
						Total	30.96	
						Limited to Schedule 'B' Quantity	30.89	

Contractor

Assistant Executive Engineer,
R.R. Nagar, Sub-Division,
KRIDL, BBMP, Bangalore

23/5/20

Assistant Engineer
Ward No-17

23/5/20

Assistant Executive Engineer
Yeshwanthpura Sub Division
ಸಹಾಯಕ ಕಾರ್ಯ ನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
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BRUHATH BANGALORE MAHANAGARA PALIKE

RAJARAJESHWARI NAGARA ZONE

(15)

Name of Work:- Providing Repairs Maintenance infrastructures Upgradetion Construction to BBMP School College Building In Ward No. 17.

Agency:- Technical Manager,KRIDL

MEASUREMENT SHEET Bill N0:-First &Part Bill

Measurements Taken On:-

S NO	Description of item's	Unit	No	Measurements L	B	D	Qty	Remarks
8	*KSRB 15.1.1 : Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20mm deep,after raking joints to depth 20mm nicely, liming, including cost of materials, labhour, curing complete as per specifications.*							
	For Tree guards:-Alround Wall,L/sides:-	*sqm*	*1*	*3.90*		*0.65*	*2.54*	
			1	*3.60*		*0.65*	*2.34*	
			1	*3.90*		*0.65*	*2.54*	
			1	*4.40*		*0.65*	*2.86*	
			1	*5.00*		*0.65*	*3.25*	
			1	*3.30*		*0.65*	*2.15*	
	R/sides		*1*	*4.05*		*0.65*	*2.63*	
			1	*3.65*		*0.65*	*2.37*	
			1	*6.30*		*0.65*	*4.10*	
			1	*3.75*		*0.65*	*2.44*	
			1	*5.95*		*0.65*	*3.87*	
			1	*1.90*		*0.65*	*1.24*	
			1	*5.05*		*0.65*	*3.28*	
			1	*6.90*		*0.65*	*4.49*	
	Stage Attatched (Flagging Pole Fixing) Wall		*1*	*4.05*		*0.65*	*2.63*	
			1	*6.45*		*0.75*	*4.84*	
			2	*2.40*		*0.75*	*3.60*	
						Total	*51.14*	

Contractor

Assistant Executive Engineer,
R.R. Nagar, Sub-Division,
KRIDL, BBMP, Bangalore

Assistant Engineer
Ward No-17

Assistant Executive Engineer
Yeshwanthpura Sub Division
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BRUHATH BANGALORE MAHANAGARA PALIKE

RAJARAJESHWARI NAGARA ZONE

(16)

Name of Work:-Providing Repairs Maintenance infrastructures Upgradetion Construction to BBMP School College Building In Ward No. 17.

Agency:-Technical Manager,KRIDL

MEASUREMENT SHEET Bill N0:-First &Part Bill

Measurements Taken On:-

S.NO	Description of Item's	Unit	No	Measurements L	B	D	Qty	Remarks
9	KSRB 4-1.6 : Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.53 cum machine mixed, concrete laid in layers not exceeding 15cms thick well compacted, in **foundation and plinth and cills**, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.							
	For Tree guards:-Alround Wall,L/sides:-	Cum	1	3.90	0.60	0.12	0.28	
			1	3.60	0.60	0.12	0.26	
			1	3.90	0.60	0.12	0.28	
			1	4.40	0.60	0.12	0.32	
			1	5.00	0.60	0.12	0.36	
			1	3.30	0.60	0.12	0.24	
	R/sides		1	4.05	0.60	0.12	0.29	
			1	3.65	0.60	0.12	0.26	
			1	6.30	0.60	0.12	0.45	
			1	3.75	0.60	0.12	0.27	
			1	5.95	0.60	0.12	0.43	
			1	1.90	1.00	0.12	0.23	
			1	5.05	0.60	0.12	0.36	
			1	6.90	0.60	0.12	0.50	
	For Tree guards:-Alround Supporting Concrete,L/sides:-		1	4.05	0.60	0.12	0.29	
			1	5.10	0.60	0.10	0.31	
			1	4.80	0.60	0.10	0.29	
			1	5.10	0.60	0.10	0.31	
			1	5.60	0.60	0.10	0.34	
			1	6.20	0.60	0.10	0.37	
			1	4.50	0.60	0.10	0.27	
			1	5.25	0.60	0.10	0.32	
	R/sides		1	4.85	0.60	0.10	0.29	
			1	7.50	0.60	0.10	0.45	
			1	4.95	0.60	0.10	0.30	
			1	7.15	0.60	0.10	0.43	
			1	7.00	0.40	0.10	0.28	
			1	6.25	0.60	0.10	0.38	
			1	8.10	0.60	0.10	0.49	
			1	5.25	0.60	0.10	0.32	
	Stage		1	6.45	4.80	0.10	3.10	
						Total	13.03	

Contractor

Assistant Executive Engineer,
R.R. Nagar, Sub-Division,
KRIDL, BBMP, Bangalore

Assistant Engineer
Ward No-17

Assistant Executive Engineer
Yeshwanthpura Sub Division
ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಯಶವಂತಪುರ ಉಪ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

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BRUHATH BANGALORE MAHANAGARA PALIKE

RAJARAJESHWARI NAGARA ZONE

(17)

Name of Work:- Providing Repairs Maintenance infrastructures Upgradetion Construction to BBMP School College Building In Ward No. 17.

Agency:- Technical Manager,KRIDL

MEASUREMENT SHEET Bill N0:-First &Part Bill

Measurements Taken On:-

S.NO	Description of Item's	Unit	No	Measurements L	B	D	Qty	Remarks
10	KSRB 4-2.8 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granie metal coarse aggregates @0.69cum and fine aggregates @ 0.46cum, with superplastisiser @ 3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase linels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labhour, HOM of machinery, curing, complete as per specifications.							
	First Floor:- Columns	Cum	5	0.30	0.23	3.55	1.22	
	Lintel Beam For Long walls:-Front		1	17.20	0.20	0.20	0.69	
	Back		1	17.20	0.20	0.20	0.69	
	Inside Pillars		5	0.40	0.20	0.20	0.08	
	Short walls		2	5.20	0.20	0.20	0.42	
	Pedestal,s concreting		4	0.90	0.20	0.20	0.14	
	Corner		1	0.90	0.20	0.20	0.04	
			1	0.70	0.20	0.20	0.03	
	RCC Band Beam For Long walls:-Front		1	17.20	0.20	0.10	0.34	
	Back		1	17.20	0.20	0.10	0.34	
	Inside Pillars		5	0.40	0.20	0.10	0.04	
	Short walls		2	5.20	0.20	0.10	0.21	
	Floor Tie Beam For Long walls:-Front		1	17.20	0.23	0.15	0.59	
	Interior		1	17.20	0.20	0.30	1.03	
	Back		1	17.20	0.20	0.30	1.03	
	Inside Pillars		5	0.40	0.20	0.30	0.12	
	Short walls		5	5.20	0.30	0.30	2.34	
			5	2.20	0.30	0.30+0.15 / 2	0.74	
	Roof		1	17.30	8.25	0.15	21.41	
	Cinier Citizens welfare Association Front		1	5.50	2.70	0.12	1.78	
	Steps		2	1.80	0.20	0.10	0.07	
			2	1.80	0.20	0.10	0.07	
	Coping		1	2.00	0.30	0.10	0.06	
	Passage;-R/Side		1	8.25	3.00	0.10	2.48	
	L/Side		1	8.20	3.00	0.10	2.46	
	Surrounding,s		1	40.00	1.20	0.10	4.80	
			1	40.00	1.20	0.10	4.80	
			1	11.80	1.20	0.10	1.42	
	steps		2	1.35	1.20	0.10	0.32	
							49.77	
	Deductions(-)stage		1	6.45	1.20	0.10	0.77	
	For Tree guards:-Alround Wall,L/sides:-		0.50	3.90	0.60	0.10	0.12	
			0.50	3.60	0.60	0.10	0.11	
			0.50	3.90	0.60	0.10	0.12	
			0.50	4.40	0.60	0.10	0.13	
			0.50	5.00	0.60	0.10	0.15	
			0.50	3.30	0.60	0.10	0.10	
			0.50	4.05	0.60	0.10	0.12	
	R/sides		0.50	3.65	0.60	0.10	0.11	
			0.50	6.30	0.60	0.10	0.19	
			0.50	3.75	0.60	0.10	0.11	
			0.50	5.95	0.60	0.10	0.18	
			0.50	1.90	1.00	0.10	0.10	
			0.50	5.05	0.60	0.10	0.15	
			0.50	6.90	0.60	0.10	0.21	
			0.50	4.05	0.60	0.10	0.12	
	For Tree guards:-Alround Supporting Concrete,L/sides:-		0.50	5.10	0.60	0.10	0.15	
			0.50	4.80	0.60	0.10	0.14	
			0.50	5.10	0.60	0.10	0.15	

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			0.50	5.60	0.60	0.10	0.17	
			0.50	6.20	0.60	0.10	0.19	
			0.50	4.50	0.60	0.10	0.14	
	R/sides		0.50	5.25	0.60	0.10	0.16	
			0.50	4.85	0.60	0.10	0.15	
			0.50	7.50	0.60	0.10	0.23	
			0.50	4.95	0.60	0.10	0.15	
			0.50	7.15	0.60	0.10	0.21	
			0.50	8.20	0.60	0.10	0.25	
			0.50	6.25	0.60	0.10	0.19	
			0.50	8.10	0.60	0.10	0.24	
			0.50	5.25	0.60	0.10	0.16	
							5.45	
						Total	44.32	

(18)

Contractor

Assistant Executive Engineer,
R.R. Nagar, Sub-Division,
KRIDL, BBMP, Bangalore

Assistant Engineer
Ward No-17

26/5/20

Assistant Executive Engineer
Yeshwanthpura Sub Division
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26/5/20

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BRUHATH BANGALORE MAHANAGARA PALIKE

(19)

RAJARAJESHWARI NAGARA ZONE

Name of Work:-Providing Repairs Maintenance infrastructures Upgradetion Construction to BBMP School College Building In Ward No. 17.

Agency:-Technical Manager,KRIDL

MEASUREMENT SHEET Bill N0:-First &Part Bill

Pre Measurements Taken On:-

S.NO	Description of Item's	Unit	No	Measurements L	B	D	Qty	Remarks
11	KSRB 4-6.3 : Providing and removing centering, shuttering, strutting, propping etc., and removal form work for flat surface such as suspended floors, roofs, landings, balconies and like, thickness upto 200mm including cost of materials, labhour complete as per specification.							
	Columns	sqm	10	0.30		3.55	10.65	
			10	0.23		3.55	8.17	
	First Floor:-For Lintel Beam							
	Long walls:-Front		2	17.20		0.20	6.88	
	Back		2	17.20		0.20	6.88	
	Inside Pillars		5	0.40		0.20	0.40	
			10	0.20		0.20	0.40	
	Short walls		4	5.20		0.20	4.16	
	Chejja,s:- W1	sqm	3	2.00	0.60		3.60	
	Pedestal,s concreting		8	0.90		0.20	1.44	
	Corner		2	0.90		0.20	0.36	
			2	0.70		0.20	0.28	
	RCC Band Beam For Long walls:-Front		2	17.20		0.10	3.44	
	Back		2	17.20		0.10	3.44	
	Inside Pillars		5	0.40		0.10	0.20	
			10	0.20		0.10	0.20	
	Short walls		4	5.20		0.10	2.08	
	Floor Tie Beam For Long walls:-Front		2	17.20		0.15	5.16	
	Interior		2	17.20		0.30	10.32	
	Back		2	17.20		0.30	10.32	
	Inside Pillars		5	0.40		0.30	0.60	
			10	0.20				
	Short walls		10	5.20		0.30	15.60	
			3	5.20	0.30		4.68	
			10	2.20		0.30+0.15 / 2	4.95	
			10	2.20	0.30		6.60	
	Roof Area Inside Of Rooms		1	5.40	2.25		12.15	
			1	5.40	4.00		21.60	
			1	5.40	3.15		17.01	
						Total	161.57	
				Limited to Schedule 'B' Quantity			159.83	

Contractor

Assistant Executive Engineer,
R.R. Nagar, Sub-Division,
KRIDL, BBMP, Bangalore

15/6/20

Assistant Engineer
Ward No-17

15/6/20

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Assistant Executive Engineer
Yeshwanthpura Sub Division

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BRUHATH BANGALORE MAHANAGARA PALIKE

RAJARAJESHWARI NAGARA ZONE

20

Name of Work:-Providing Repairs Maintenance infrastructures Upgradetion Construction to BBMP School College Building In Ward No. 17.

Agency:-Technical Manager,KRIDL

MEASUREMENT SHEET Bill NO:-First &Part Bill

Pre Measurements Taken On:-

S.NO	Description of Items	Unit	No	Measurements L	B	D	Qty	Remarks
12	KSRB 4.9.2 : Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wiere and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials labour HOM of machinery complete							
	Columns:- Main Rods for 16mm Dia	Tonne,s	6	5.00	30.00	1.59	47.70	
	8mm Dia (0.20c/c)		6X26	1.05	163.80	0.39	63.88	
	Lintel Beam:- Main Rods for 12mm Dia		1X4	17.60	70.40			
			1X4	17.60	70.40			
	Piller Portion		5X2	1.00	10.00			
			2X4	6.00	48.00			
					198.80	0.89	176.93	
	8mm Dia (0.20c/c)		1X88	0.80	70.40			
			1X88	0.80	70.40			
	Piller Portion		5X3	0.80	12.00			
			2X28	0.80	44.80			
					197.60	0.39	77.06	
	Chejja,s:- Main Rods 10mm Dia(.15c/c)w1		4x14	1.50	84.00			
	w2		1x13	1.50	19.50			
	Inside Self,s		1x67	1.50	100.50			
			1x47	1.50	70.50			
					274.50	0.62	170.19	
	Distrubutions 8mm Dia(.20c/c)w1		4x6	1.95	46.80			
	w2		1x6	1.75	10.50			
	Inside Self,s		1x6	9.85	59.10			
			1x6	6.80	40.80			
					157.20	0.39	61.31	
	Pedestal,s:- Main Rods12mm Dia		4X2	1.45	11.60			
			1X2	2.30	4.60			
					16.20	0.89	14.42	
	8mm Dia (0.15c/c)		4X7	1.20	33.60			
			2X7	1.20	16.80			
					50.40	0.39	19.66	
	RCC Band Beam:- Main Rods for 12mm Dia		1X2	17.40	34.80			
			1X2	17.40	34.80			
			5X2	1.00	10.00			
			2X2	6.00	24.00			
					103.60	0.89	92.20	
	8mm Dia (0.15c/c)		1X117	0.35	30.80			
			1X82	0.35	30.80			
			5X3	0.60	9.00			
			1X30	0.35	19.60			
			1X37	0.35	19.60			
					109.80	0.39	42.82	
	Floor Tie Beams;-B1							
	12mm Dia:- Top Straight Rods		3X3	18.00	162.00			
	Bottom Straight Rods		2X3	18.00	108.00			
					270.00	0.89	240.30	
	8mm Dia (0.15c/c)		2X117	1.35	315.90			
			1X117	1.05	122.85			
					438.75	0.39	171.11	
	B2							
	16mm Dia:- Top Straight Rods		2X5	8.60	86.00			
	Bottom Straight Rods		2X5	8.60	86.00			
	Bottom Extra main Rods		2X5	5.70	51.30			
	Top extra Main Rods		2X5	4.50	40.50			
					263.80	1.59	419.44	

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8mm Dia (0.15c/c)		5X37	1.65	305.25		
		5X15	1.05	78.75		
				384.00	0.39	149.76
Roof:- Main Rods 8mm Dia(0.15c/c)						
Alternative Crank Rods		20	18.00	360.00		
		9	18.00	162.00		
Straight Rods:-Top And Bottom		38	17.20	653.60		
		18	17.20	309.60		
Extra Rods(0.30c/c)		80	2.40	192.00		
		36	2.40	86.40		
		40	0.75	30.00		
		18	0.75	13.50		
				1807.10	0.39	704.77
Distrubution Rods 8mm Dia(0.15c/c)						
Alternative Crank Rods		11	8.60	94.60		
		14	8.60	120.40		
		12	8.60	103.20		
		17	8.60	146.20		
Straight Rods:-Top and Bottom		7	8.60	60.20		
		20	8.10	162.00		
		26	8.10	210.60		
		22	8.10	178.20		
		32	8.10	259.20		
		12	8.10	97.20		
Extra Rods:-(0.30c/c)Back		11	1.20	13.20		
		14	1.20	16.80		
		12	1.20	14.40		
		17	1.20	20.40		
		7	1.20	8.40		
Center:-		11	2.40	26.40		
		14	2.40	33.60		
		12	2.40	28.80		
		17	2.40	40.80		
		7	2.40	16.80		
Front:-		11	0.75	8.25		
		14	0.75	10.50		
		12	0.75	9.00		
		17	0.75	12.75		
		7	0.75	5.25		
Supporting Chaires		50	1.20	60.00		
				1757.15	0.39	685.29
Cinier Citizens welfare Association Front stage						
10mm Dia(0.15c/c):-Main Rods		38	2.90	110.20	0.62	68.32
8mm Dia(0.20c/c):-Distrubutions		15	5.40	81.00	0.39	31.59
Main Rods10mm Dia(.15c/c						
Passage;-R/Side		56	3.20	179.20		
L/Side		55	3.20	176.00		
				355.20	0.62	220.22
Distrubutions 8mm Dia(.25c/c)		13	8.20	106.60		
		13	8.15	105.95		
				212.55	0.39	82.89
Surrounding,s:-Main Rods 10mm Dia(0.15c/c)		9	40.00	360.00		
		9	40.00	360.00		
		2X9	3.80	68.40		
				788.40	0.62	488.81
Distrubutions 8mm Dia(.25c/c)		161	1.15	185.15		
		161	1.15	185.15		
		2X10	1.15	23.00		
				393.30	0.39	153.39
						4182.08
					Total	4.18

(2.1)

Contractor

Assistant Executive Engineer,
R.R. Nagar, Sub-Division,
KRIDL, BBMP, Bangalore

Assistant Engineer
Ward No-17

ಸಹಾಯಕ Assistant Executive Engineer
ಯಶವಂತಪುರ Yeshwanthpura Sub Division
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BRUHATH BANGALORE MAHANAGARA PALIKE

RAJARAJESHWARI NAGARA ZONE

22

Name of Work:-Providing Repairs Maintenance infrastructures Upgradetion Construction to BBMP School College Building In Ward No. 17.

Agency:-Technical Manager,KRIDL

MEASUREMENT SHEET Bill NO:-First &Part Bill

Measurements Taken On:-

S.NO	Description of Item's	Unit	No	Measurements L	B	D	Qty	Remarks
13	Providing and laying flooring for corridors/lobbies using combination of pre polished 19 mm thick water cut/gang saw Grey Granite, Black Granite, and strips of 50mm wide pre flamed grey granite using pre polished grey granite 19mm thick 76%, Pre polished black granite 19mm thick @ 2% and preflamed 19mm thick grey granite @22% over existing cement concrete bed in CM 1:4 average 20mm thick pointed with white cement/colour pigment etc., complete. - using 19mm thick granite width not less than 1200mm							
	For Tree guards:-Alround Wall,L/sides:-	sqm	1	3.90	0.60		2.34	
			1	3.60	0.60		2.16	
			1	3.90	0.60		2.34	
			1	4.40	0.60		2.64	
			1	5.00	0.60		3.00	
			1	3.30	0.60		1.98	
	R/sides		1	4.05	0.60		2.43	
			1	3.65	0.60		2.19	
			1	6.30	0.60		3.78	
			1	3.75	0.60		2.25	
			1	5.95	0.60		3.57	
			1	1.90	1.00		1.90	
			1	5.05	0.60		3.03	
			1	6.90	0.60		4.14	
	Cinler Citizens welfare Association Front stage		1	4.05	0.60		2.43	
			1	5.55	2.75		15.26	
	Sides		1	5.55		0.65	3.61	
			2	2.75		0.65	3.58	
	Steps:-Threads		2	1.75	0.45		1.58	
	Rise		2	1.75		0.25	0.88	
	Sides		2	0.45		0.40	0.36	
	Stage		1	6.50	4.80		31.20	
	Sides		1	6.50		0.85	5.53	
			2	4.80		0.85	8.16	
						Total	110.32	

Contractor

Assistant Executive Engineer,
R.R. Nagar, Sub-Division,
KRIDL, BBMP, Bangalore

22/6/20

Assistant Engineer
Ward No-17

22/6/20

Assistant Executive Engineer
Yeshwanthpura Sub Division

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